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(58) Field of search

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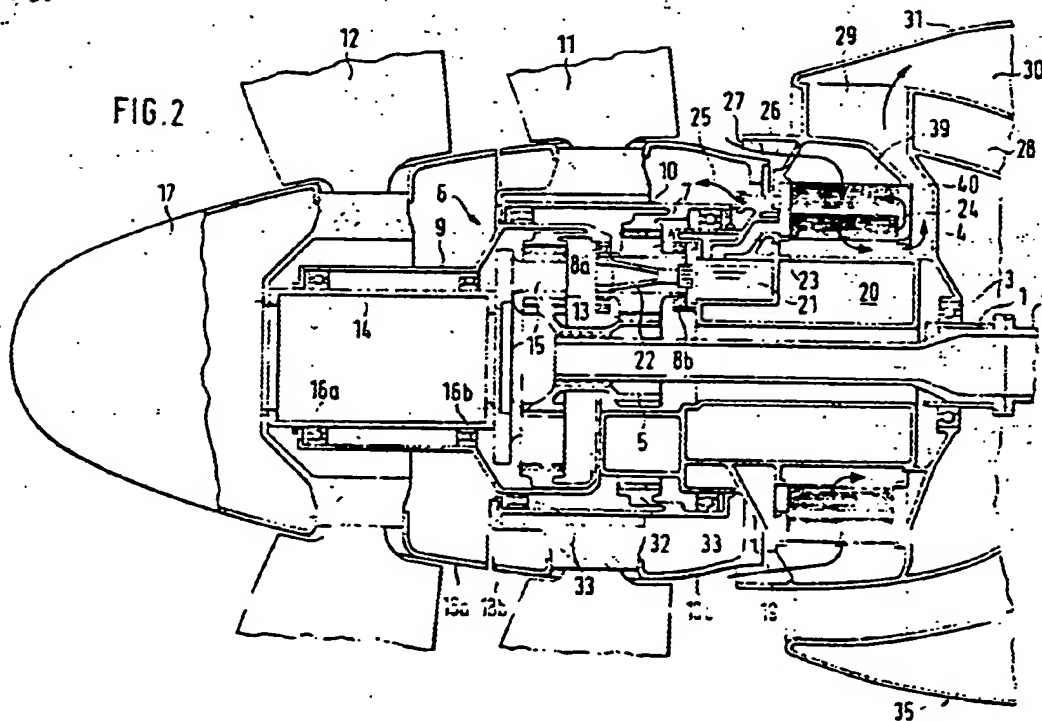
F1V

Selected US specifications from IPC sub-classes

F01D F02C F02K

54) Reduction gear lubrication in a proplan turbo propulsion unit

57, The reduction gearing 6 for the proplan rotors 11, 12 has a separate lubricating oil system which is disposed axially between the gas turbine (35, Fig. 1) and the reduction gearing. This provides improved dissipation of heat occurring in the gear mechanism, together with satisfactory utilisation of the available space. The lubricating system comprises an annular oil tank 20, an oil pump 21 and an annular oil cooler 24 cooled by air flow 26. The reduction gearing includes sun wheel 5 and planet wheels 7 and 13 and drives the rotors 11, 12 in opposite directions.



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